

ABSTRACT

A vascular device movable from a collapsed insertion position to a first expanded position having a first diameter and further movable to a second expanded position having a second diameter larger than the first diameter. A plurality of vessel engaging members extend outwardly from the device for securing the internal wall of a vessel upon expansion of the device to the second expanded position. The vessel engaging members pull the internal wall of the vessel towards radially inwardly upon movement of the device from the second expanded position toward the first expanded position having a third diameter greater than the first diameter and less than the second diameter.